

ABSTRACT OF THE DISCLOSURE

The present invention provides a thermal transport apparatus capable of easily forming a wick, stably circulating a working fluid in the thermal transport apparatus and achieving a high efficiency of thermal transport, and a method for manufacturing the thermal transport apparatus. The liquid working fluid flowing through a liquid-phase path toward an evaporator wick communicating hole permeates into micro holes formed between grains which fill in the evaporator wick communicating hole, and flows into a wick of an evaporator. A vapor of the working fluid evaporating in the evaporator passes through a vapor-phase path and flows into a condenser through a condenser wick communicating hole. In the condenser, the working fluid is again liquefied. The liquefied working fluid flows through the liquid-phase path from the condenser to the evaporator wick communicating hole. In the evaporator wick communicating hole filled with the grains, a capillary force can be generated to stably circulate the working fluid in the thermal transport apparatus.